

State Water Resources Control Board

Division of Drinking Water

October 13, 2017

System No. 1010052

Pete Conrad
697 W. Chennault
Clovis, CA 93611

CITATION NO. 03-23-17C-092

TOTAL COLIFORM MAXIMUM CONTAMINANT LEVEL VIOLATION FOR July 2017

Enclosed is Citation No. 03-23-17C-092 (hereinafter "Citation"), issued to the Sierra Cedars CSD (hereinafter "System"), public water system.

The Sierra Cedars CSD will be billed at the State Water Resources Control Board's (hereinafter "State Water Board"), hourly rate for the time spent on issuing this Citation. California Health and Safety Code, (hereinafter "CHSC"), Section 116577, provides that a public water system must reimburse the State Water Board for actual costs incurred by the State Water Board for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a citation. At this time, the State Water Board has spent approximately one hour on enforcement activities associated with this violation.

The District will receive a bill sent from the State Water Board in August of the next fiscal year. This bill will contain fees for any enforcement time spent on the District for the current fiscal year.

Any person who is aggrieved by a citation, order or decision issued by the Deputy Director of the Division of Drinking Water under Article 8 (commencing with CHSC, Section 116625) or Article 9 (commencing with CHSC, Section 116650), of the Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4), may file a petition with the State Water Board for reconsideration of the citation, order or decision. Appendix 1 to the enclosed Citation contains the relevant statutory provisions for filing a petition for reconsideration (CHSC, Section 116701).

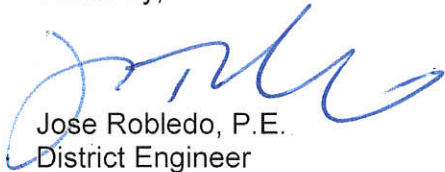
Petitions must be received by the State Water Board within 30 days of the issuance of the citation, order or decision by the Deputy Director. The date of issuance is the date when the Division of Drinking Water mails a copy of the citation, order or decision. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day by 5:00 p.m.

Information regarding filing petitions may be found at:

http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

If you have any questions regarding this matter, please contact me at 559-447-3300.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jose Robledo', is written over the printed name.

Jose Robledo, P.E.
District Engineer
Division of Drinking Water
State Water Resources Control Board

Enclosures

Certified Mail No. 7015 1660 0000 0781 9852

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

Name of Public Water System: Sierra Cedars CSD

Water System No: 1010052

Attention: Pete Conrad, Board President
697 W. Chennault
Clovis, CA 93611

Issued: October 13, 2017

**CITATION FOR NONCOMPLIANCE WITH
CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64426.1
TOTAL COLIFORM MAXIMUM CONTAMINANT LEVEL VIOLATION
and
SECTION 64424 (a) (1), and (d) TOTAL COLIFORM RULE- REPEAT
SAMPLING
July 2017**

The California Health and Safety Code (hereinafter "CHSC"), Section 116650 authorizes the State Water Resources Control Board (hereinafter "State Water Board"), to issue a citation to a public water system when the State Water Board determines that the public water system has violated or is violating the California Safe Drinking Water Act (hereinafter "California SDWA"), (CHSC, Division 104, Part 12, Chapter 4, commencing with Section

1 116270), or any regulation, standard, permit, or order issued or adopted
2 thereunder.

3
4 The State Water Board, acting by and through its Division of Drinking Water
5 (hereinafter "Division") and the Deputy Director for the Division, hereby issues
6 Citation No. 03-23-17C-092 (hereinafter "Citation"), pursuant to Section
7 116650 of the CHSC to the Sierra Cedars CSD (hereinafter "District"), for
8 violation of CHSC, Section 116555(a)(1) and California Code of Regulations
9 (hereinafter "CCR"), Title 22, Section 64426.1.

10
11 A copy of the applicable statutes and regulations are included in Appendix 1,
12 which is attached hereto and incorporated by reference.

13 14 **STATEMENT OF FACTS**

15 The Sierra Cedars CSD is classified as a community public water system with
16 a population of 875, serving 225 connections. The District operates under
17 Domestic Water Supply Permit No. 03-11-12P-036 issued by the State Water
18 Board on November 1, 2012.

19
20 CHSC, Section 116555(a)(1) requires all public water systems to comply with
21 primary drinking water standards as defined in CHSC, Section 116275(c).

22
23 CCR, Title 22, Section 64426.1, Total Coliform Maximum Contaminant Level
24 (hereinafter "MCL"), states that a public water system is in violation of the total
25 coliform MCL if it collects fewer than 40 bacteriological samples per month
26 and if more than one sample collected during any month is total coliform-
27 positive.

The State Water Board received laboratory results for eleven (11) bacteriological samples collected during July 2017 from the District. All samples were analyzed for the presence of total coliform bacteria. Three (3) of the eleven (11) samples analyzed were positive for total coliform bacteria. None of the total coliform positive samples showed the presence of fecal coliform OR *Escherichia coli* (*E. coli*) bacteria. A Level 1 Assessment was conducted by the District noting that the water truck withdrew water from a hydrant which caused sediment to be stirred up in the pipes. The district flushed the hydrants on July 21, 2017.

The following table summarizes the reported bacteriological monitoring conducted during the month of June of 2017.

Collection Date	Number of Samples	Sample Labeled	Number TC positive	Number E. Coli positive
07/19/17	5	Routine Distribution and three sources	2 in the distribution and one (1) in the source	0
07/21/17	6	Routine Distribution and three sources	1	0

DETERMINATION

The District took fewer than 40 bacteriological samples during July 2017. The results of three (3) routine samples were total coliform positive. Therefore, the State Water Board has determined that the District violated CCR, Title 22, Section 64426.1 during July 2017.

DIRECTIVES

The District is hereby directed to take the following actions:

1. Comply with CCR, Title 22, Section 64426.1, in all future monitoring periods.
2. The Water System shall collect repeat samples as required by Section 64424 and as discussed in this Citation whenever a routine sample is positive for total coliform bacteria.
3. Whenever the Water System has one or more total coliform-positive samples in a given month, at least five (5) routine samples shall be collected the following month as required by Section 64424(d) and as discussed in this Citation.

All submittals required by this Citation shall be electronically submitted to the State Water Board at the following address. The subject line for all electronic submittals corresponding to this Citation shall include the following information: Water System name and number, citation number and title of the document being submitted.

Jose Robledo, P.E.
District Engineer
Division of Drinking Water
State Water Resources Control Board
Dwpdist23@waterboards.ca.gov

1 The State Water Board reserves the right to make such modifications to this
2 Citation as it may deem necessary to protect public health and safety. Such
3 modifications may be issued as amendments to this Citation and shall be
4 effective upon issuance.

5
6 Nothing in this Citation relieves the Water System of its obligation to meet the
7 requirements of the California SDWA (CHSC, Division 104, Part 12, Chapter
8 4, commencing with Section 116270), or any regulation, standard, permit or
9 order issued or adopted thereunder.

10 11 12 **PARTIES BOUND**

13 This Citation shall apply to and be binding upon the Sierra Cedars CSD, its
14 owners, shareholders, officers, directors, agents, employees, contractors,
15 successors, and assignees.

16 17 **SEVERABILITY**

18 The directives of this Citation are severable, and Sierra Cedars CSD shall
19 comply with each and every provision thereof notwithstanding the
20 effectiveness of any provision.

21 22 **FURTHER ENFORCEMENT ACTION**

23 The California SDWA authorizes the State Water Board to: issue a citation or
24 order with assessment of administrative penalties to a public water system for
25 violation or continued violation of the requirements of the California SDWA or
26 any regulation, permit, standard, citation, or order issued or adopted
27 thereunder including, but not limited to, failure to correct a violation identified
28 in a citation or compliance order. The California SDWA also authorizes the

1 State Water Board to take action to suspend or revoke a permit that has been
2 issued to a public water system if the public water system has violated
3 applicable law or regulations or has failed to comply with an order of the State
4 Water Board, and to petition the superior court to take various enforcement
5 measures against a public water system that has failed to comply with an
6 order of the State Water Board. The State Water Board does not waive any
7 further enforcement action by issuance of this Citation.

8 

9 _____
10 Jose Robledo, P.E.
11 District Engineer
12 Division of Drinking Water
13 State Water Resources Control Board

10/13/17

Date



14
15
16
17 Appendices (4):

- 18
19 1. Applicable Statutes and Regulations
20 2. Copy of Public Notice Template
21 3. Copy of Proof of Public Notification
22 4. Copy of the Level 2 Assessment
23

24 Certified Mail No. 7015 1660 0000 0781 9852

**APPENDIX 1. APPLICABLE STATUTES AND REGULATIONS FOR
CITATION NO. 03-23-17C-092
Total Coliform Maximum Contaminant Level Violation**

NOTE: The following language is provided for the convenience of the recipient, and cannot be relied upon as the State of California's representation of the law. The published codes are the only official representation of the law. Regulations related to drinking water are in Titles 22 and 17 of the California Code of Regulations. Statutes related to drinking water are in the Health & Safety Code, the Water Code, and other codes.

California Health and Safety Code (CHSC):

Section 116650 states in relevant part:

- (a) If the state board determines that a public water system is in violation of this chapter or any regulation, permit, standard, citation, or order issued or adopted thereunder, the state board may issue a citation to the public water system. The citation shall be served upon the public water system personally or by certified mail. Service shall be deemed effective as of the date of personal service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.
- (b) Each citation shall be in writing and shall describe the nature of the violation or violations, including a reference to the statutory provision, standard, order, citation, permit, or regulation alleged to have been violated.
- (c) A citation may specify a date for elimination or correction of the condition constituting the violation.
- (d) A citation may include the assessment of a penalty as specified in subdivision (e).
- (e) The state board may assess a penalty in an amount not to exceed one thousand dollars (\$1,000) per day for each day that a violation occurred, and for each day that a violation continues to occur. A separate penalty may be assessed for each violation and shall be in addition to any liability or penalty imposed under any other law.

California Code of Regulations (CCR), Title 22:

Section 64424 (Repeat Sampling) states in relevant part:

- (a) If a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (1) within 24 hours of being notified of the positive result. The repeat samples shall all be collected within the same 24 hour time period. A single service connection system may request that the State Board allow the collection of the repeat sample set over a four-day period.
 - (1) For a water supplier that normally collects more than one routine sample a month, a repeat sample set shall be at least three samples for each total coliform-positive sample. For a water supplier that normally collects one or fewer samples per month, a repeat sample set shall be at least four samples for each total coliform-positive sample.
 - (2) If the water supplier is unable to collect the samples within the 24-hour time period specified in subsection (a) or deliver the samples to the laboratory within 24 hours after collection because of circumstances beyond its control, the water supplier shall notify the State Board within 24 hours. The State Board will then determine how much time the supplier will have to collect the repeat samples.
- (b) When collecting the repeat sample set, the water supplier shall collect at least one repeat sample from the sampling tap where the original total coliform-positive sample was taken. Other repeat samples shall be collected within five service connections upstream or downstream of the original site. At least one sample shall be from upstream and one from downstream unless there is no upstream and/or downstream service connection.
- (c) If one or more samples in the repeat sample set is total coliform-positive, the water supplier shall collect and have analyzed an additional set of repeat samples as specified in subsections (a) and (b). The supplier shall repeat this process until either no coliforms are detected in one complete repeat sample set or the supplier determines that the MCL for total coliforms specified in Section 64426.1 has been exceeded and notifies the State Board.
- (d) If a public water system for which fewer than five routine samples/month are collected has one or more total coliform-positive samples, the water supplier shall collect at least five routine samples the following month. If the supplier stops supplying water during the month after the total coliform-positive(s), at least five samples shall be collected during the first month the system resumes operation. A water supplier may request the State Board waive the requirement to collect at least five routine samples the following month, but a waiver will not be granted solely on the basis that all repeat samples are total coliform-negative. To request a waiver, one of the following conditions shall be met:
 - (1) The State Board conducts a site visit before the end of the next month the system provides water to the public to determine whether additional monitoring and/or corrective action is necessary to protect public health.
 - (2) The State Board determines why the sample was total coliform-positive and establishes that the system has corrected the problem or will correct the problem before the end of the next month the system serves

water to the public. If a waiver is granted, a system shall collect at least one routine sample before the end of the next month it serves water to the public and use it to determine compliance with Section 64426.1.

Section 64426.1 (Total Coliform Maximum Contaminant Level (MCL)) states in relevant part:

- (b) A public water system is in violation of the total coliform MCL when any of the following occurs:
 - (1) For a public water system which collects at least 40 samples per month, more than 5.0 percent of the samples collected during any month are total coliform-positive; or
 - (2) For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or
 - (3) Any repeat sample is fecal coliform-positive or E. coli-positive; or
 - (4) Any repeat sample following a fecal coliform-positive or E. coli-positive routine sample is total coliform-positive.
- (c) If a public water system is not in compliance with paragraphs (b)(1) through (4), during any month in which it supplies water to the public, the water supplier shall notify the State Board by the end of the business day on which this is determined, unless the determination occurs after the State Board office is closed, in which case the supplier shall notify the State Board within 24 hours of the determination. The water supplier shall also notify the consumers served by the water system. A Tier 2 Public Notice shall be given for violations of paragraph (b)(1) or (2), pursuant to section 64463.4. A Tier 1 Public Notice shall be given for violations of paragraph (b)(3) or (4), pursuant to section 64463.1.

Section 64463.1 (Tier 1 Public Notice) states in relevant part:

- (a) A water system shall give public notice pursuant to this section and section 64465 if any of the following occurs:
 - (1) Violation of the total coliform MCL when:
 - (A) Fecal coliform or E. coli are present in the distribution system; or
 - (B) When any repeat sample tests positive for coliform and the water system fails to test for fecal coliforms or E. coli in the repeat sample;...
- (b) As soon as possible within 24 hours after learning of any of the violations in subsection (a) or being notified by the State Board that it has determined there is a potential for adverse effects on human health [pursuant to paragraph (a)(4), (5), or (6)], the water system shall:
 - (1) Give public notice pursuant to this section;
 - (2) Initiate consultation with the State Board within the same timeframe; and
 - (3) Comply with any additional public notice requirements that are determined by the consultation to be necessary to protect public health.
- (c) A water system shall deliver the public notice in a manner designed to reach residential, transient, and nontransient users of the water system and shall use, as a minimum, one of the following forms:
 - (1) Radio or television;
 - (2) Posting in conspicuous locations throughout the area served by the water system;
 - (3) Hand delivery to persons served by the water system; or
 - (4) Other method approved by the State Board, based on the method's ability to inform water system users.

Section 64463.4 (Tier 2 Public Notice) states:

- (a) A water system shall give public notice pursuant to this section if any of the following occurs:
 - (1) Any violation of the MCL, MRDL, and treatment technique requirements, except:
 - (A) Where a Tier 1 public notice is required under section 64463.1; or
 - (B) Where the State Board determines that a Tier 1 public notice is required, based on potential health impacts and persistence of the violations;
 - (2) All violations of the monitoring and testing procedure requirements in sections 64421 through 64426.1, article 3 (Primary Standards – Bacteriological Quality), for which the State Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations;
 - (3) Other violations of the monitoring and testing procedure requirements in this chapter, and chapters 15.5, 17 and 17.5, for which the State Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations; or
 - (4) Failure to comply with the terms and conditions of any variance or exemption in place.
- (b) A water system shall give the notice as soon as possible within 30 days after it learns of a violation or occurrence specified in subsection (a), except that the water system may request an extension of up to 60 days for providing the notice. This extension would be subject to the State Board's written approval based on the violation or occurrence having been resolved and the State Board's determination that public health and welfare would in no way be adversely affected. In addition, the water system shall:
 - (1) Maintain posted notices in place for as long as the violation or occurrence continues, but in no case less than seven days;
 - (2) Repeat the notice every three months as long as the violation or occurrence continues. Subject to the State Board's written approval based on its determination that public health would in no way be adversely affected, the water system may be allowed to notice less frequently but in no case less than once per year. No allowance for reduced frequency of notice shall be given in the case of a total coliform MCL violation or violation of a Chapter 17 treatment technique requirement; and

(3) For turbidity violations pursuant to sections 64652.5(c)(2) and 64653(c), (d) and (f), as applicable, a water system shall consult with the State Board as soon as possible within 24 hours after the water system learns of the violation to determine whether a Tier 1 public notice is required. If consultation does not take place within 24 hours, the water system shall give Tier 1 public notice within 48 hours after learning of the violation.

(c) A water system shall deliver the notice, in a manner designed to reach persons served, within the required time period as follows:

(1) Unless otherwise directed by the State Board in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, community water systems shall give public notice by;

(A) Mail or direct delivery to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system; and

(B) Use of one or more of the following methods to reach persons not likely to be reached by a mailing or direct delivery (renters, university students, nursing home patients, prison inmates, etc.):

1. Publication in a local newspaper;
2. Posting in conspicuous public places served by the water system, or on the Internet; or
3. Delivery to community organizations.

(2) Unless otherwise directed by the State Board in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, noncommunity water systems shall give the public notice by:

(A) Posting in conspicuous locations throughout the area served by the water system; and

(B) Using one or more of the following methods to reach persons not likely to be reached by a public posting:

1. Publication in a local newspaper or newsletter distributed to customers;
2. E-mail message to employees or students;
3. Posting on the Internet or intranet; or
4. Direct delivery to each customer.

Bacteriological Distribution Monitoring Report

1010052 Sierra Cedars CSD

Distribution System Freq: 1/M

Sample Date	Time	Location	T Coli	E Coli	F Coli	Type	Cl2	Violation	Comment
7/19/2017	13:06	41832 Saddleback Road	P	A		Routine			
7/19/2017	13:14	Residential	P	A		Routine		MCL	
7/21/2017	12:30	Lateral Well	A	A		Source Repeat			
7/21/2017	12:57	Well 5	A	A		Source Repeat			
7/21/2017	13:18	New Meadow Well	A	A		Source Repeat			
7/21/2017	14:30	41915 Rd 21	P	A		Repeat			
7/21/2017	15:00	42145 Rd 2	A	A		Repeat			
7/21/2017	15:00	Residential	A	A		Repeat			

Violation Key

MCL	Exceeds the maximum contaminant level	MR5	Incorrect number of repeat samples as follow-up to a positive sample
MR1	No monthly sample for the report month	MR6	No source sample
MR2	No quarterly sample for the report month	MR7	No summary report submitted
MR3	Incorrect number of routine samples for the report month	MR8	Other comments and/or info
MR4	Did not collect 5 routine samples for previous month's positive sample	MR9	Cl2 not reported

Source Bacteriological Monitoring Report

1010052 Sierra Cedars CSD

<i>Sample Date</i>	<i>Time</i>	<i>Source</i>	<i>Sample Type</i>	<i>Test Method</i>	<i>T Coli</i>	<i>E Coli</i>	<i>F Coli</i>	<i>HPC</i>	<i>Violation</i>	<i>Comments</i>
7/19/2017	12:45	Well 5	Well	P/A	A	A				
7/19/2017	12:46	Lateral Well	Well	P/A	P	A				
7/19/2017	12:52	New Meadow Well	Well	P/A	A	A				

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.

Tradúzcalo o hable con alguien que lo entienda bien.

**Sierra Cedars CSD Water system has Levels of Coliform Bacteria
Above the Drinking Water Standard**

Our water system recently failed a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what you should do, what happened and what we did to correct this situation.

We routinely monitor for drinking water contaminants. We took five samples to test for the presence of coliform bacteria in July 2017. Three of those samples showed the presence of total coliform bacteria. The standard is that no more than one sample per month may show the presence of coliform bacteria.

What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

[Describe corrective action]. Water truck pulled water from hydrant on Saddleback
Flushed hydrants to clear water

For more information, please contact Tod Cameron Gibson [name of contact] at 559 593 0718 [phone number] or Todcgibson@yahoo.com [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Sierra Cedars CSD.

Date distributed: 7-26-17



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

ATTACHMENT C

PROOF OF NOTIFICATION
(Return with copy of notice)

As required by Section 116450 of the California Health and Safety Code, I notified all users of water supplied by the **Sierra Cedars CSD Water System** of the failure to meet the **total coliform bacteria MCL** for the month of **July 2017** as directed by the Division.

Notification was made on 7-26-17 by _____
(date)
_____ hand delivered and/o _____ and/or posted written notice.
(circle all that apply)

Ted C Gibson
Signature of Water System Representative

Ted C Gibson
Printed Name

7-26-17
Date

DISCLOSURE: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due: August 15, 2017
Total Coliform MCL Failure: July 2017
System Number: 1010052
Citation No.: _____

REVISED TOTAL COLIFORM RULE (RTCR) – LEVEL 1 ASSESSMENT Simple Systems with a Well and Storage/Pressure Tank and No Treatment



This form is intended to assist public water systems in completing the investigation required by the federal revised Total Coliform Rule (rTCR) [effective April 1, 2016] and may be modified to take into account conditions unique to the water system. To avoid a violation, an assessment report must be completed and returned to your local regulatory agency no later than 30 days after the trigger date.

ADMINISTRATIVE INFORMATION

Entity Name: PWSID NUMBER: 1010052	System Type: CSD	Name Sierra Cedars CSD	System Address & Email	Telephone Number
Operator in Responsible Charge (ORC) Tom C Gibson				
Person that collected TC samples if different than ORC				
System Owner BSK Labs Inc		Fresno		
Certified Laboratory for Microbiological Analyses				
Date Investigation Completed:				
Month(s) of Coliform Treatment Technique Trigger:	July 2017			

INVESTIGATION DETAILS

SOURCE	WELL (name)	WELL (name)	WELL (name)	WELL (name)	WELL (name)	COMMENTS (attach additional pages if needed)
	Lateral	#5 well	New Meadow	7-21-17	7-21-17	
1. Inspect each well head for physical defects and report						
a. Is raw water sample tap upstream from point of disinfection?	Yes	Yes	Yes	Yes	Yes	
b. Is wellhead vent pipe screened?	Y	Y	Y	Y	Y	
c. Is wellhead seal watertight?	N	N	N	N	N	
d. Is well head located in pit or is any piping from the wellhead submerged?	N	N	N	N	N	
e. Does the ground surface slope towards well head?	N	N	N	N	N	
f. Is there evidence of standing water near the wellhead?	N	N	N	N	N	
g. Are there any connections to the raw water piping that could be cross connections? (describe all connections in comments)	N	N	N	N	N	
h. Is the wellhead secured to prevent unauthorized access?	Y	N	N	N	N	
i. How often do you take a raw water total coliform (TC) test?	Monthly	Monthly	Monthly	Monthly	Monthly	
j. Provide the date and result of the last TC test at this location	7-21-17	7-21-17	7-21-17	7-21-17	7-21-17	

STORAGE

	TANK (name)	TANK (name)	TANK (name)	TANK (name)	COMMENTS
	East	West	Y	N	
1. Is each tank locked to prevent unauthorized access?	Y	Y	Y	Y	
2. Are all vents of each tank screened down-turned to prevent dust and dirt from entering the tank?	Y	Y	Y	Y	
3. Is the overflow on each tank screened?	Y	Y	Y	Y	
4. Are there any unsealed openings in the tank such as access doors, water level indicators hatches, etc.?	N	N	N	N	

REVISED TOTAL COLIFORM RULE (RTCR) – LEVEL 1 ASSESSMENT FORM

Simple Systems with a Well and Pressure Tank and No Treatment

Page 2 of 5

STORAGE	TANK (name)	TANK (name)	TANK (name)	TANK (name)	COMMENTS
	East	West			
5. Is the roof/cover of the tank sealed and free of any leaks?					
6. Is the tank above ground or buried?					
a. If buried or partially buried, are there provisions to direct surface water away from the site.					
b. Has the interior of the tank been inspected to identify any sanitary defects, such as root intrusion?					
7. Does the tank "float" on the distribution system or are there separate inlet and outlet lines?					
8. What is the measured chlorine residual (total/free) of the water exiting the storage tank today?					
9. What is the volume of the storage tank in gallons?					
10. Is the tank baffled?					
11. Prior to the TC+ or EC+, what was the previous date item #1-6 were checked and documented?					

PRESSURE TANK	TANK (name)	TANK (name)	TANK (name)	TANK (name)	COMMENTS
1. What is the volume of the pressure tank?					
2. What is the age of the pressure tank?					
3. Is the pressure tank bladder type or air compressor type?					
4. Did the pressure tank(s) deviate from normal operating pressure?					
5. Is the compressor pump running more often than normal?					
6. Is the tank bladder broken and the tank water logged?					
7. Is the tank(s) damaged, rusty, leaking, or has holes?					
8. Was there any recent work performed?					
9. Is the air relief vent (if there is one) on the pressure tank screened and facing downwards?					
10. Can the inside of the pressure tank be visually inspected thru an inspection port? If so, when was the last time it was inspected?					

SYSTEM RESPONSES	
DISTRIBUTION SYSTEM	
1. What is the minimum pressure you are maintaining in the distribution system?	
2. Did pressure in the distribution system drop to less than 5 psi prior to experiencing the total coliform positive finding?	
3. Has the distribution system been worked on within the last week? (service taps, hydrant flushing, main breaks, main extensions, etc.) if yes, provide details.	

Yes. Water truck drew from hydrant, stirred up sediment on bottom of pipes on 7-19. 1 flushed hydrant on 7-21 until they ran clear.

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DISTRIBUTION SYSTEM		SYSTEM RESPONSES			
		Routine Site TC+ or EC+	Upstream Site	Downstream Site	4th Repeat Sample (specify)
4. Are there any signs of excavations near your distribution system not under the direct control of your maintenance staff?		No			
5. Did you inspect your distribution system to check for mainline leaks? Do you or did you have a mainline leak?		Inspected - no leaks found			
6. If there was a mainline leak, when was it repaired?		7-21-17			
7. On what date was the distribution system last flushed?		No			
8. Is there a written flushing procedure you can provide for our review?		None			
9. Do you have an active cross connection control program?		None			
10. What is name and phone number of your Cross-Connection Control Program Coordinator?		None			
11. Have all backflow prevention devices in the distribution system been tested annually and repaired/replaced if they did not pass and retested afterwards?		Don't know			
12. On what date was the last physical survey of the system done to identify cross-connections?					
SAMPLE SITE EVALUATION (Complete for all TC+ or EC+ findings)					
1. What is the height of the sample tap above grade? (inches)					
2. Is the sample tap located in an exterior location or is it protected by an enclosure?					
3. Is the sample tap threaded, have a swing arm (kitchen sink) or aerator (sinks)?					
4. Is the sample tap in good condition, free of leaks around the stem or packing?					
5. Can the sample tap be adjusted to the point where a good laminar flow can be achieved without excessive splash?					
6. Is the sample tap and area around the sample tap clean and dry (free of animal droppings, other contaminants or spray irrigation systems)?					
7. Is the area around the sample tap free of excessive vegetation or other impediments to sample collection?					
8. Describe how the tap was treated in preparation for sample collection (ran water, swabbed with disinfectant, flamed, etc.)					
9. Is this sample tap designated on the bacteriological sample siting plan (BSSP) as a routine or repeat site?					
10. Were the samples delivered to the laboratory in a cooler and within the allowable holding time?					
11. What were the weather conditions at the time of the positive sample (rainy, windy, sunny)?					

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DISTRIBUTION SYSTEM	SYSTEM RESPONSES
4. Are there any signs of excavations near your distribution system not under the direct control of your maintenance staff?	NO
5. Did you inspect your distribution system to check for mainline leaks? Do you or did you have a mainline leak?	Inspected - no leaks found
6. If there was a mainline leak, when was it repaired?	
7. On what date was the distribution system last flushed?	7-21-17
8. Is there a written flushing procedure you can provide for our review?	NO
9. Do you have an active cross connection control program?	NO
10. What is name and phone number of your Cross-Connection Control Program Coordinator?	None
11. Have all backflow prevention devices in the distribution system been tested annually and repaired/replaced if they did not pass and retested afterwards?	None
12. On what date was the last physical survey of the system done to identify cross-connections?	Don't know

SAMPLE SITE EVALUATION (Complete for all TC+ or EC+ findings)	Routine Site TC+ or EC+	Upstream Site	Downstream Site	4th Repeat Sample (specify)
1. What is the height of the sample tap above grade? (inches)	34"			
2. Is the sample tap located in an exterior location or is it protected by an enclosure?	Kitchen			
3. Is the sample tap threaded, have a swing arm (kitchen sink) or aerator (sinks)?	Kitchen sink with aerator removed			
4. Is the sample tap in good condition, free of leaks around the stem or packing?	yes			
5. Can the sample tap be adjusted to the point where a good laminar flow can be achieved without excessive splash?	yes			
6. Is the sample tap and area around the sample tap clean and dry (free of animal droppings, other contaminants or spray irrigation systems)	yes			
7. Is the area around the sample tap free of excessive vegetation or other impediments to sample collection?	yes			
8. Describe how the tap was treated in preparation for sample collection (ran water, swabbed with disinfectant, flamed, etc.)	ran water, sprayed bleach			
9. Is this sample tap designated on the bacteriological sample siting plan (BSSP) as a routine or repeat site?	NO			
10. Were the samples delivered to the laboratory in a cooler and within the allowable holding time?	yes			
11. What were the weather conditions at the time of the positive sample (rainy, windy, sunny)?	Sunny			

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GENERAL OPERATIONS:		Response
1. Has the sampler(s) who collected the samples received training on proper sampling techniques? If yes, please indicate date of last training.		yes 2003
2. Does the water system have a written sampling procedure and was it followed?		yes
3. Where there any power outages that affected water system facilities during the 30 days prior to the TC+ or EC + findings?		No
4. Were there any main breaks, water outages, or low pressure reported in the service area from which TC+ or EC+ samples were collected?		yes
5. Does the system have backup power or elevated storage?		No backup power. Yes elevated tanks
6. During or soon after bacteriological quality problems, did you receive any complaints of any customers' illness suspected of being waterborne? How many?		None
7. What were the symptoms of illness if you received complaints about customers being sick?		

SUMMARY: Based on the results of your assessment and any other available information, what deficiencies do you believe to have caused the positive total coliform sample(s) within your distribution system? (DO NOT LEAVE BLANK)

Deficiency #	Deficiency Description
1.	Water truck pulled from hydrant, stirring up sediment on bottom of pipes.
2.	
3.	
4.	
5.	

CORRECTIVE ACTIONS: What actions have you taken to correct the above mentioned deficiencies? If additional time is needed to correct a deficiency, indicate the date that it will be corrected. (DO NOT LEAVE BLANK)

Deficiency #	Corrective Action	Completion/Proposed Date
1.	Flushed hydrants 7-21 & 7-29	
2.		
3.		
4.		

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5.

CERTIFICATION: I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

NAME: Tod C Gibson

TITLE: Water Master

DATE: 7-26-17

Upon review of the Level 1 Assessment Form, the local regulatory agency may require submittal of the following additional information:

- Sketch of system showing all sources, all treatment and chlorination locations, storage tanks, microbiological sampling sites and general layout of the distribution system including the location of all hazardous connections such as the wastewater treatment facility.
- A set of photographs of the source, pressure tanks, and storage tanks in the system may be submitted if they would show that the contamination is directly related and changes have been made since the last inspection by the local regulatory agency.
- Name, certification level and certificate number of the Operator in Responsible Charge.
- Copy of the last cross connection survey performed that identifies the location of all unprotected cross connections.